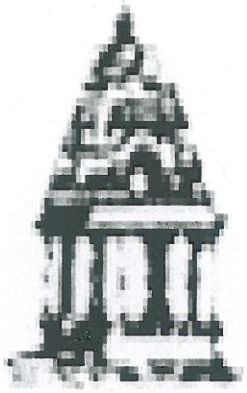
(1)

# BRUHAT BANGALORE MAHANAGARA PALIKE



## Asst.Executive Engineer, Shettyhalli Sub Division,

**Name of Work** Construction of Anganawadi at Near Mallikarjuna Temple in Ward No.13, in Shettyhalli Sub Division.

**Est Cost:10.00 Lakhs**

# Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Estimate Cost Rs. | | 1000000.01 | |
| **Name of Work: Detailed Estimate for the work of Construction of Anganawadi at Near Mallikarjuna Temple road in Ward No.13, in Shettyhalli Sub Division.** | | | | | | | | | |
| **Sl No** | **Description of item** | **Unit** | **No** | **L** | **B** | **D** | **Qty** | **Rate** | **Amount** |
| | | **A) Building Civil work** | | | | | | | |
| 1 | KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, No. 5/ Item No. 2.1/ PWD SR 2016-17 | | | | | | | | |
| | levelling | Cum | 1 | 8.00 | 8.00 | 0.10 | 6.40 | | |
| | | | | | | | **6.40** | **169.56** | **1085.18** |
| | Basic Rate | 157.00 | | | | | | | |
| | Area Weightage 8% | 12.56 | | | | | | | |
| | Total Rate | 169.56 | | | | | | | |
| 2 | KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2016-17 | | | | | | | | |
| | EWE for foundation | Cum | 9 | 1.00 | 1.00 | 1.00 | 9.00 | | |
| | | | 3 | 7.50 | 0.90 | 0.80 | 16.20 | | |
| | | | 3 | 7.50 | 0.90 | 0.80 | 16.20 | | |
| | | | | | | | **41.40** | | |
| | Deduct for Column | | 9 | 1.00 | 1.00 | 0.90 | **8.10** | | |
| | | | | | Net Qty | | **33.30** | | |
| | | | | | | | **33.30** | **204.12** | **6797.20** |
| | S.R.Rate | 189.00 | | | | | | | |
| | Area Weightage 8% | 15.12 | | | | | | | |
| | Total | 204.12 | | | | | | | |
| 3 | KSRB-4-1.1 : Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17 | | | | | | | | |
| | EWE for foundation | Cum | 9 | 1.00 | 1.00 | 0.12 | 1.08 | | |
| | | | 3 | 7.50 | 0.90 | 0.12 | 2.43 | | |
| | | | 3 | 7.50 | 0.90 | 0.12 | 2.43 | | |
| | | | | | | | **5.94** | | |
| | Deduct for Column | | 9 | 1.00 | 1.00 | 0.12 | **1.08** | | |
| | | | | | | | **4.86** | **5256.36** | **25545.91** |
| | Basic | 4867.00 | | | | | | | |
| | Area Weightage 8% | 389.36 | | | | | | | |
| | Total rate | 5256.36 | | | | | | | |
| 4 | KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2016-17 | | | | | | | | |
| | for ssm wall | Cum | 3 | 7.50 | 0.60 | 0.60 | 8.10 | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | 3 | 7.50 | 0.60 | 0.60 | 8.10 | | |
| | | | 3 | 7.50 | 0.45 | 0.45 | 4.56 | | |
| | | | 3 | 7.50 | 0.45 | 0.45 | 4.56 | | |
| | | | | | | | **25.31** | **4521.96** | **114462.11** |
| | Basic | 4187.00 | | | | | | | |
| | Area Weightage 8% | 334.96 | | | | | | | |
| | Total rate | 4521.96 | | | | | | | |
| 5 | KSRB 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 113/ Item No. 15.1 / PWD SR 2016-17 | | | | | | | | |
| | for ssm wall | Cum | 2 | 7.50 | | 0.45 | 6.75 | | |
| | | | 2 | 7.50 | | 0.45 | 6.75 | | |
| | | | | | | | **13.50** | **104.76** | **1414.26** |
| | Basic | 97.00 | | | | | | | |
| | Area Weightage 8% | 7.76 | | | | | | | |
| | Total rate | 104.76 | | | | | | | |
| 6 | KSRB- 4-1.5 : Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. No.12/ Item No. 4.6/ PWD SR 2016-17 | | | | | | | | |
| | Column | Cum | 9 | 1.00 | 1.00 | 0.40 | 3.60 | | |
| | | | 9 | 0.30 | 0.23 | 4.60 | 2.86 | | |
| | | | 3 | 7.50 | 0.45 | 0.15 | 1.52 | | |
| | | | 3 | 7.50 | 0.45 | 0.15 | 1.52 | | |
| | | | 1 | 3.00 | 0.45 | 0.10 | 0.14 | | |
| | Entrance staircase | | 2 | 7.50 | 0.60 | 0.10 | 0.90 | | |
| | | | 2 | 7.50 | 0.60 | 0.10 | 0.90 | | |
| | coping | | 2 | 7.50 | 0.23 | 0.10 | 0.35 | | |
| | | | 2 | 7.50 | 0.23 | 0.10 | 0.35 | | |
| | | | | | | | **12.12** | **5876.28** | **71215.22** |
| | Basic | 5441.00 | | | | | | | |
| | Area Weightage 8% | 435.28 | | | | | | | |
| | Total rate | 5876.28 | | | | | | | |
| 7 | KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, No. 6/ Item No. 2.10/ PWD SR 2016-17 | | | | | | | | |
| | | Cum | 1 | 7.60 | 7.60 | 0.40 | 23.10 | | |
| | | | | | | | **23.10** | **137.16** | **3168.94** |
| | Basic | 127.00 | | | | | | | |
| | Area Weightage 8% | 10.16 | | | | | | | |
| | Total rate | 137.16 | | | | | | | |
| 8 | KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 133 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17) | | | | | | | | |
| | | Cum | Vide Item No. 1 | | | | 6.40 | 84.50 | 540.79 |
| | Basic Rate for loading and unloading | 68.00 | | | | | | | |
| | Basic Rate for Haulage upto 4.00 k.m =1.28 X 2 X 4 | 10.24 | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | 78.24 | | | | | | | |
| | Area Weightage 8% | 6.26 | | | | | | | |
| | **Total** | **84.50** | | | | | | | |
| 9 | KSRB 5.14.1 Providing and constructing pre cast concrete solid blocks with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quoins, jamb,closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials,labour charges,scaffolding,curing etc., complete as per superstructure(Page No.25, Item No.5.27.2) 2016-17 | | | | | | | | |
| | wall | Sqm | 3 | 7.50 | | 2.80 | 63.00 | | |
| | | | 3 | 7.50 | | 2.80 | 63.00 | | |
| | | | 1 | 2.00 | | 2.80 | 5.60 | | |
| | parapet | | 2 | 7.50 | | 0.75 | 11.25 | | |
| | | | 2 | 7.50 | | 0.75 | 11.25 | | |
| | | | | | | | **154.10** | | |
| | **Deductions** | | | | | | | | |
| | Door - D | | 1 | 1.20 | | 2.10 | 2.52 | | |
| | Door - D1 | | 3 | 0.90 | | 2.10 | 5.67 | | |
| | Door - D2 | | 1 | 0.75 | | 2.10 | 1.58 | | |
| | Window - W | | 5 | 1.20 | | 1.20 | 7.20 | | |
| | Ventilator - V | | 5 | 0.90 | | 0.60 | 2.70 | | |
| | | | | | | | **19.67** | | |
| | | | | | | | **134.44** | **897.48** | **120652.72** |
| | Basic | 831.00 | | | | | | | |
| | Area Weightage 8% | 66.48 | | | | | | | |
| | Total rate | 897.48 | | | | | | | |
| 10 | KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix 1:1, 5:3 with 12 mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 Page No. 14/ Item No. 4.19/ PWD SR 2016-17 | | | | | | | | |
| | for chajja | Sqm | 1 | 2.50 | | 0.75 | 1.88 | | |
| | W | | 5 | 1.20 | | 0.50 | 3.00 | | |
| | V | | 5 | 1.00 | | 0.45 | 2.25 | | |
| | Toilet atta | | 1 | 1.80 | | 1.80 | 3.24 | | |
| | | | | | | | **10.37** | **492.48** | **5104.56** |
| | Basic | 456.00 | | | | | | | |
| | Area Weightage 8% | 36.48 | | | | | | | |
| | Total rate | 492.48 | | | | | | | |
| 11 | Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete for R.C.C works laid in 15cms thick layers and well compacted vibrating curing etc. including smooth finish in CM 1:3,with all lead and lift etc., complete. (exclusive of cost of steel and fabrication charges Ready mixed cement concrete for Beams, column, Staircase and Roof with M-20 (1:1:5:3) Page No. 18/ Item No. 4.49.1/ PWD SR 2016-17 | | | | | | | | |
| | Lintel | cum | 3 | 7.50 | 0.15 | 0.15 | 0.51 | | |
| | | | 3 | 7.50 | 0.15 | 0.15 | 0.51 | | |
| | Roof | | 1 | 7.50 | 8.00 | 0.13 | 7.80 | | |
| | | | | | | | **8.81** | **6349.32** | **55953.38** |
| | Basic | 5879.00 | | | | | | | |
| | Area Weightage 8% | 470.32 | | | | | | | |
| | Total rate | 6349.32 | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 12 | KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2016-17 | | | | | | | | |
| | lintel beams Sqm | 2x2 | 4 | 9.20 | | 0.20 | 7.36 | | |
| | | 3x3 | 9 | 6.50 | | 0.20 | 11.70 | | |
| | Column | | 9 | 1.35 | | 4.50 | 54.68 | | |
| | | | | | | | **73.74** | **276.48** | **20386.25** |
| | Basic | 256.00 | | | | | | | |
| | Area Weightage 8% | 20.48 | | | | | | | |
| | Total rate | 276.48 | | | | | | | |
| 13 | KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.37/ PWD SR 2016-17 | | | | | | | | |
| | for chajja | sqm | 1 | 2.50 | | 0.75 | 1.88 | | |
| | W | | 5 | 1.20 | | 0.50 | 3.00 | | |
| | V | | 5 | 1.00 | | 0.45 | 2.25 | | |
| | | | 1 | 1.80 | | 1.80 | 3.24 | | |
| | | | | | | | **10.37** | **291.60** | **3022.43** |
| | Basic | 270.00 | | | | | | | |
| | Area Weightage 8% | 21.60 | | | | | | | |
| | Total rate | 291.60 | | | | | | | |
| 14 | KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.29/ PWD SR 2016-17 | | | | | | | | |
| | **For Roof** | sqm | 1 | 7.50 | | 8.00 | 60.00 | | |
| | | | 2 | 7.50 | | 0.20 | 3.00 | | |
| | | | 2 | 8.00 | | 0.20 | 3.20 | | |
| | | | 1 | 2.00 | | 2.00 | 4.00 | | |
| | | | | | | | **70.20** | **594.00** | **41698.80** |
| | Basic | 550.00 | | | | | | | |
| | Area Weightage 8% | 44.00 | | | | | | | |
| | Total rate | 594.00 | | | | | | | |
| 15 | KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17 | | | | | | | | |
| | **75Kg/cum qty wide 6 +11** | **Tonn** | 0.750 | **20.93** | | | 15.70 | | |
| | | | | | | | 1.570 | | |
| | | | | | | | 1.570 | **60534.00** | **95030.51** |
| | Basic | 56050.00 | | | | | | | |
| | Area Weightage 8% | 4484.00 | | | | | | | |
| | Total rate | 60534.00 | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 16 | Supplying and fixing pressed **steel door frames size 125 x 65 mm** manufactured from 1.25 mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm thick with lock rail of 160 mm width, top and side of 100 mm width and bottom rails of 250 mm width and panel filling with 12 mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, war page and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4 (P.40/I.7.26) 2016-17 | | | | | | | | |
| | D | sqm | 1 | 1.20 | | 2.10 | 2.52 | | |
| | D1 | | 3 | 0.90 | | 2.10 | 5.67 | | |
| | D2 | | 1 | 0.75 | | 2.10 | 1.58 | | |
| | | | | | | | **9.77** | **3780.00** | **36911.70** |
| | Basic | 3500.00 | | | | | | | |
| | Area Weightage 8% | 280.00 | | | | | | | |
| | Total rate | 3780.00 | | | | | | | |
| 17 | Providing and fixing cold rolled perepainted **steel windows of IS standards, made out of 0.6mm thick deep** drawing quality galvanished on both sides 120gms/sq.mtr. Primer coat upto 5microns with thermosetting epoxy resin and finish painted with a polyester based paint 20microns thick. The size of profiles in approximately 46x52mm for external formes, 46x46mm section for shutters, 46x70mm section for centre mullion/transom and 18x31mm section is for fixing glasses. The section should be cut to length joint mitred and assembling by means of corner brackets made out of cold rolled cold annealed strips of 1.2mm thick duly galvanised and fixed with nickle plated self taping screws. The shutters are provided with approved quality of fixtures like handles made out of zamac alloy die cast and powder coated, receiver made out of glass filled nylone and hinges made out of CRCA powder coated.4mm tinted glass should be fixed with EPDM gaskets. Guard bars fabricated out of 10mm square bright bars shall be fixed horizonatally at 125mm C/C by revetting to the external frame. The abovve frames are fixed to the conccrete / masonry walls by means of self expanding screws." (P.39/ I. 7.24.1) 2016-17 | | | | | | | | |
| | W | sqm | 5 | 1.20 | | 1.20 | 7.20 | | |
| | V | | 5 | 0.90 | | 0.60 | 2.70 | | |
| | | | | | | | **9.90** | **5064.12** | **50134.79** |
| | Basic | 4689.00 | | | | | | | |
| | Area Weightage 8% | 375.12 | | | | | | | |
| | Total rate | 5064.12 | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 18 | KSRB 10-2: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 3000x300mm square, (e) the whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. Page No. 66/ Item No. 10.2/ PWD SR 2016-17 | | | | | | | | |
| | | sqm | 1 | 7.20 | | 7.20 | 51.84 | | |
| | | | | | | | **51.84** | **976.32** | **50612.43** |
| | Basic | 904.00 | | | | | | | |
| | Area Weightage 8% | 72.32 | | | | | | | |
| | Total rate | 976.32 | | | | | | | |
| 19 | KSRB 15.3.1 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever reuired smooth rendering, : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. . Page No.113/ Item No. 15.10 / PWD SR 2016-17 | | | | | | | | |
| | External wall Plastering | sqm | 2 | 7.50 | | 2.80 | 42.00 | | |
| | | | 2 | 7.50 | | 2.80 | 42.00 | | |
| | parpet | | 4 | 7.50 | | 0.75 | 22.50 | | |
| | | | 4 | 7.50 | | 0.75 | 22.50 | | |
| | chajja | | 1 | 2.50 | | 0.75 | 1.88 | | |
| | | | 5 | 1.20 | | 0.50 | 3.00 | | |
| | | | 1 | 1.80 | | 1.80 | 3.24 | | |
| | | | 5 | 0.90 | | 0.45 | 2.03 | | |
| | | | | | | | **139.14** | | |
| | **Deductions** | | | | | | | | |
| | Door - D | | 1 | 1.20 | | 2.10 | 2.52 | | |
| | W | | 5 | 1.20 | | 1.20 | 7.20 | | |
| | Ventilator | | 5 | 0.90 | | 0.60 | 2.70 | | |
| | | | | | | | **12.42** | | |
| | | | | | | | **126.72** | **178.20** | **22581.50** |
| | Basic | 165.00 | | | | | | | |
| | Area Weightage 8% | 13.20 | | | | | | | |
| | Total rate | 178.20 | | | | | | | |
| 20 | KSRB 15.3.3 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever reuired smooth rendering, : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. . Page No. 113/ Item No. 15.11 / PWD SR 2016-17 | | | | | | | | |
| | Internal wall | sqm | 2 | 5.00 | | 2.80 | 28.00 | | |
| | | | 2 | 4.50 | | 2.80 | 25.20 | | |
| | | | 10 | 2.30 | | 2.80 | 64.40 | | |
| | | | 2 | 2.40 | | 2.80 | 13.44 | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | 2 | 1.80 | | 2.80 | 10.08 | | |
| | | | 4 | 1.80 | | 2.80 | 20.16 | | |
| | | | | | | | **161.28** | | |
| | **Deductions** | | | | | | | | |
| | Door - D | | 1 | 1.20 | | 2.10 | 2.52 | | |
| | | | 3 | 0.90 | | 2.10 | 5.67 | | |
| | | | 1 | 0.75 | | 2.10 | 1.58 | | |
| | W | | 5 | 1.20 | | 1.20 | 7.20 | | |
| | Ventilator | | 5 | 0.90 | | 0.60 | 2.70 | | |
| | | | | | | | **19.67** | | |
| | | | | | | | **141.62** | **162.00** | **22941.63** |
| | Basic | 150.00 | | | | | | | |
| | Area Weightage 8% | 12.00 | | | | | | | |
| | Total rate | 162.00 | | | | | | | |
| 21 | KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114/ Item No. 15.21 / PWD SR - 2016-17 | | | | | | | | |
| | Ceiling | sqm | 1 | 4.50 | | 5.00 | 22.50 | | |
| | | | 3 | 2.30 | | 2.30 | 15.87 | | |
| | | | 1 | 4.20 | | 1.80 | 7.56 | | |
| | | | | | | | **45.93** | **208.44** | **9573.65** |
| | Basic | 193.00 | | | | | | | |
| | Area Weightage 8% | 15.44 | | | | | | | |
| | Total rate | 208.44 | | | | | | | |
| 22 | KSRB 15.7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Page No.115/ Item No. 15.33 / PWD SR 2016-17 | | | | | | | | |
| | For internal walls and ceiling Qty | sqm | | | **187.55** | | 187.55 | | |
| | | | | | | | **187.55** | **27.00** | **5063.72** |
| | Basic | 25.00 | | | | | | | |
| | Area Weightage 8% | 2.00 | | | | | | | |
| | Total rate | 27.00 | | | | | | | |
| 23 | Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 at 20mm thick (average) pointed with white cement/ colour pigment etc., complete. Grey granite Page No. 107/ Item No. 14.47.2 / PWD SR 2016-17 | | | | | | | | |
| | Hall | sqm | 1 | 4.50 | | 5.00 | 22.50 | | |
| | Store Room | | 1 | 2.30 | | 2.30 | 5.29 | | |
| | Kitchen | | 1 | 2.30 | | 2.30 | 5.29 | | |
| | | | 1 | 2.40 | | 1.80 | 4.32 | | |
| | | | | | | | **37.40** | **2485.08** | **92941.99** |
| | Basic | 2301.00 | | | | | | | |
| | Area Weightage 8% | 184.08 | | | | | | | |
| | Total rate | 2485.08 | | | | | | | |
| 24 | Providing and applying **Putty for filling holes**(Material components Sl.No. 605, Code No. 0315, Page No. XXII) | | | | | | | | |
| | For Internal wall surface area | sqm | | 187.55 | | | 187.55 | | |
| | | | | | | | 187.55 | | |
| | | | 0.50kg/sqm | | | | **93.77** | **80.00** | **7501.80** |
| 25 | KSRB 15.15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. Page No.117/ Item No. 15.51 / PWD SR 2016-17 | | | | | | | | |
| | Same Quantity as in Internal plastering | sqm | | 187.55 | | | 187.55 | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | **187.55** | **76.68** | **14380.95** |
| | Basic | 71.00 | | | | | | | |
| | Area Weightage 8% | 5.68 | | | | | | | |
| | Total rate | 76.68 | | | | | | | |
| 26 | KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Page No. 118/ Item No. 15.53.2 / PWD SR 2016-17 with primer | | | | | | | | |
| | External plastering QTY | sqm | | 126.72 | | | 126.72 | | |
| | | | | | | | **126.72** | **90.72** | **11496.04** |
| | Basic | 84.00 | | | | | | | |
| | Area Weightage 8% | 6.72 | | | | | | | |
| | Total rate | 90.72 | | | | | | | |
| 27 | KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No. 119/ Item No. 15.60.1 / PWD SR 2016-17 | | | | | | | | |
| | Door - D | sqm | 2 | 1.20 | | 2.10 | 5.04 | | |
| | D1 | | 6 | 0.90 | | 2.10 | 11.34 | | |
| | D2 | | 2 | 0.75 | | 2.10 | 3.15 | | |
| | W | | 10 | 1.20 | | 1.20 | 14.40 | | |
| | Ventilator | | 10 | 0.90 | | 0.60 | 5.40 | | |
| | | | | | | | **39.33** | **90.72** | **3568.02** |
| | Basic | 84.00 | | | | | | | |
| | Area Weightage 8% | 6.72 | | | | | | | |
| | Total rate | 90.72 | | | | | | | |
| 28 | Providing skirting, dado rises of steps with colour glazed tiles 15x15cms 6mm thick on 6mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (Exclude cost of rough plastered surface which should be measured and paid separetely) using glazed tiles of approved make and size including cost of materials labour complete as per specifications ( page No. 106, Item No. 14.41) 2016-17 | | | | | | | | |
| | Toilet | sqm | 4.00 | 1.80 | | 1.50 | **10.80** | | |
| | Utility | | 1.00 | 1.80 | | 1.80 | **3.24** | | |
| | Utility | | 3.00 | 2.30 | | 2.30 | **15.87** | | |
| | | | | | | | **39.33** | **1157.76** | **45534.70** |
| | Basic | 1072.00 | | | | | | | |
| | Area Weightage 8% | 85.76 | | | | | | | |
| | Total rate | 1157.76 | | | | | | | |
| 29 | KSRB 14.18.1: Providing skirting, dado, rises of steps with marble slabs not exceeding 30 cms. height on 10 cms. thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should bé measured and paid separately) using marble slab of approved make and size of materials, labour, complete as per specifications. Specification No. KBS 14.19. Page No. 108/ Item No. 14.42 / PWD SR 2016-17 | | | | | | | | |
| | | | 1 | 3.00 | | 1.20 | 3.60 | | |
| | | | 1 | 3.00 | | 1.20 | 3.60 | | |
| | | | | | | | **7.20** | | |
| | **Deductions** | | | | | | | | |
| | D1 | | 1 | 0.75 | | 1.50 | 1.13 | | |
| | | | | | | | **1.13** | | |
| | | | | | | | **6.08** | **3530.52** | **21447.91** |
| | Basic | 3269.00 | | | | | | | |
| | Area Weightage 8% | 261.52 | | | | | | | |
| | Total rate | 3530.52 | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | A) Total cost of Buildings | | | | | | 960769.11 |
| | | B) WATER SUPPLY AND SANITARY WORKS | | | | | | | |
| 30 | KSRB 13-1.1 : Providing and fixing to wall, ceiling and floor galvanized / mild steel tube 25mm dia nominal bore with fittings (medium grade weight 2.51 kg/mtr) ) B class including cost of all materials, labour, charges HOM of equipments and testing complete as per specifications. Specification No. KBS 13.2.14 / 13.8 Page No.90/ Item No. 13.3 / PWD SR 2015-16 2016-17 | Mtrs | | | | | | | |
| | | 1 | 1 | 12.00 | | - | 12.00 | | |
| | | | | | | | **12.00** | **329.40** | **3953.00** |
| | Basic | 305.00 | | | | | | | |
| | Area Weightage 8% | 24.40 | | | | | | | |
| | Total rate | 329.40 | | | | | | | |
| 31 | KSRB 13-4.1: Making connection of G.I. distribution branch with G.I. main of 25 to 40mm. nominal bore, including bore, including cutting and threading the pipes, providing and fixing Tee, nuts, labour for all item of works, testing and HOM of equipments complete as per specifications. Specification No. KBS 13.10. Page No. 91/ Item No. 13.20 / PWD SR 2015-16 2016 - 17 | **Nos** | | | | | | | |
| | | 1 | 1 | 5.00 | | - | 5.00 | | |
| | | | | | | | **5.00** | **389.88** | **1949.00** |
| | Basic | 361.00 | | | | | | | |
| | Area Weightage 8% | 28.88 | | | | | | | |
| | Total rate | 389.88 | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 32 | KSRB 11-3: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580m with footrests, 100 mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Page No. 77/ Item No. 12.3 PWD SR 2015-16 16-17 | Pan | | | | | | | |
| | For Toilet | 1 | 1 | | | | 1.00 | | |
| | | | | | | | **1.00** | **1381.32** | **1381.00** |
| | Basic Rate | 1279.00 | | | | | | | |
| | Area Weightage 8% | 102.32 | | | | | | | |
| | Total Rate | 1381.32 | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 33 | KSRB 13-6.2.6: Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6 / 13.3 Page No. 91/ Item No. 13.34 / PWD SR 2015-16 ~~2015-16~~ 16-17 | Each | | | | | | | |
| | | 1 | 1 | | | | 1.00 | | |
| | | | | | | | **1.00** | **648.00** | **648.00** |
| | Basic Rate | 600.00 | | | | | | | |
| | Area Weightage 8% | 48.00 | | | | | | | |
| | Total Rate | 648.00 | | | | | | | |
| 34 | Providing and fixing CI Nahani trap of approved make fixing in CC 1:2:4 and plastering with CM 1:3 wherever necessary (rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot).(P.No - 88 I.No.12.113) SR 2015-16 2016 - 17 | Each | | | | | | | |
| | For Toilet | 1 | 2 | | | | 2.00 | | |
| | | | | | | | **2.00** | **270.00** | **540.00** |
| | Basic Rate | 250.00 | | | | | | | |
| | Area Weightage 8% | 20.00 | | | | | | | |
| | Total Rate | 270.00 | | | | | | | |
| 35 | KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole and suitable locking arrangements making of suitable diameter for inlet, outlet and over flow pipes including cost of all materials labour, transport charges, HOM of equipments and testing complete as per specifications (For 1000 litre capacity) Specification No. KBS 13.22 (P. 94/13.78) SR 2015-16 SR 2016 - 17 | Nos | | | | | | | |
| | | | 1 | | | | 1.00 | | |
| | | | | | | | **1.00** | **9144.36** | **9144.00** |
| | Basic Rate | 8467.00 | | | | | | | |
| | Area Weightage 8% | 677.36 | | | | | | | |
| | Total Rate | 9144.36 | | | | | | | |
| 36 | Providing and fixing in trenches glavanized mild steel tubes (medium grade) 25mm dia nominal bore with all fitting (earth work in trenches to be measures and paid for separately) incldluing cost of materils, labour charges HOM of equipment and testing complete as per sepcification Page No90/ Item No:13.12 PWD SR 2015-16 2016-17 | Mtrs | | | | | | | |
| | | 1 | 1 | | | | 15.00 | | |
| | | | | | | | **15.00** | **288.36** | **4325.00** |
| | Basic Rate | 267.00 | | | | | | | |
| | Area Weightage 8% | 21.36 | | | | | | | |
| | Total Rate | 288.36 | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 0185 Providing and fixing rain down water pipe of 90mm outer dia of 2.5 kg/Sqcm pressure pipes of HDPE rain water pipes Page No.XVII Sl No 518 | m | | | | | | | |
| | All Round Wall | | 2 | 4.00 | | | **8.00** | 129.60 | **1037.00** |
| | Basic Rate | 120.00 | | | | | | | |
| | Area Weightage 8% | 9.60 | | | | | | | |
| | Total | **129.60** | | | | | | | |
| | | **B) Total cost of Water supply and sanitary works** | | | | | | | **22977.00** |
| | **C) Electrification work** | | | | | | | | |
| 38 | Supplying and wiring adopting loop system in exisiting PVC conduit/casing caping using copper PVC insulated multi standard 2x1.5sqm copper wire with the 6 amps flush type SP control switch shall be fixied on the exisiting plastic sheet / gang box, the other end | P/Mtr | | | | | | | |
| | | | 12 | | | | **12.00** | **220.00** | **2640.00** |
| 39 | Supplying 6A flush / Protected type socket and a 6 amps flush / projected type SP switch either surface mounting in a exisiting gang box or in a 4mm thick plastic sheet and fixing over a fllush mounted wooden box and wiring using necessary capacity wires | Each | | | | | | | |
| | | | 10 | | | | **10.00** | **90.00** | **900.00** |
| 40 | Supply and fixing of bakelite D.P/Socket/switchwith /without neon indicator over exiting wood board or flush mounting in plastic plates / niches-I using Group A Material. | Each | | | | | | | |
| | c) 16 Amps flush type Universal socket. | | 9 | | | | **9.00** | **95.00** | **855.00** |
| 41 | Supplying 4 mm thick plastic sheet with necessry nitches for fixing switches regulators etc.., and fixing on exisiting wooden pr metal box using N.F.screws | P/sqm | | | | | | | |
| | | | 1 | 1800 | | | **1800.00** | **0.20** | **360.00** |
| 42 | POINT WIRING USING COPPER WIRE WITH SWITCH Supplying ad wiring adopting loop system in existing PVC conduit / casing caping using copper PVC insulated multi strand 2x1.5 sq.mm copper wire with a 6 Amps flush on the exisiting II. Point wire using class B Material. | | | | | | | | |
| | a) Short point upto 3mtr from tapping point to our let via switch | Each | 6 | | | | **6.00** | **140.00** | **840.00** |
| | b) Medium point above 3mtrs upto 6 mtr from tapping point to cut let via switch. | Each | 3 | | | | **3.00** | **220.00** | **660.00** |
| | c) Long point above 6 mtrs to 10 mtrs from tapping point to out let via switch. | Each | 2 | | | | **2.00** | **325.00** | **650.00** |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 43 | Wiring for lighting / power circuit using one of PVC indulated 1100 v grade, multi and copper conductor single core cable in open or concealed system of wiring : I Group - A Materials | | | | | | | | |
| | d) 4 sqmm | P/Mtr | 1 | 25 | | | 25.00 | 30.00 | 750.00 |
| | f) 10 sqmm | P/Mtr | 1 | 10 | | | 10.00 | 85.00 | 850.00 |
| 44 | Supplying heavy guage PVC conduit pipe.., Dia confirming to IS 2509 with suitable size bends, jnction boxes, adhesive paste etc.., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls. | | | | | | | | |
| | a) 19/20m dia 2mm thick | P/Mtr | 1 | 25 | | | 25.00 | 32.00 | 800.00 |
| | b) 25mm dia 2mm thick | P/Mtr | 1 | 10 | | | 10.00 | 43.00 | 430.00 |
| 45 | Supplying and fixing sheet metal box made out of 18 SWG sheet with necessary holes for cable / conduict entry as required with one coat of primer of approved make etc. (P.02) (Sl.No-04)(ch-01) | | | | | | | | |
| | b) 100x75x65mm | Each | 4 | | | | 4.00 | 72.00 | 288.00 |
| | d) 180x90x65mm | Each | 2 | | | | 2.00 | 113.00 | 226.00 |
| | | | | | | | | | |
| 46 | Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting necessary masonry patch work complete(Ch-01) (P.03) (Sl.No-06) | | | | | | | | |
| | a) 12x"12x"3(300x300x76mm) | Each | 1 | | | | 1.00 | 90.00 | 90.00 |
| | c) 10"x7"3"(254x178x76mm) | Each | 2 | | | | 2.00 | 60.00 | 120.00 |
| 47 | Supplying patty type flourscent tube light fitting of 4'-36/40 watts fluorecsent tube fitting,, made out of M.S Sheet and stove enameled with low loss open construction copper wound ferrmagnetstic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fully wires for use on 230 vo;lts A C supply inluding I No 4'- 36/40 watts fluorescent tube.- Groub-b II.2x4'36/40 Watts | | | | | | | | |
| | a) Group A | Each | 3 | | | | 3.00 | 950.00 | 2850.00 |
| 48 | Wiring for lighting / power circuit using one of PVC indulated 1100 v grade, multi and copper conductor single core cable in open or concealed system of wiring : I Group - A Materials c) 2.5 sqmm | P/mtr | 1 | 12 | | | 12.00 | 21.00 | 252.00 |
| 49 | Supplying and fixing HRC fuse link on exisiting switch fuse base ec) 125 amps | Each | 2 | | | | 2.00 | 420.00 | 840.00 |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 50 | Supplying and fixing minitrature circuit breakers on existing MCB distribuution boards using necessary fixing materils and wiring complete as required - A) 5-32 amps S.P(1) Group A | Each | 1 | | | | 1.00 | 540.00 | 540.00 |
| 51 | Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class b,50 mm | P/mtr | 1 | 2 | | | 2.00 | 260.00 | 520.00 |
| 52 | Supplying and fixing angles iron frame work fabricated out of M.S.angle iron.., and M.S.flat.., with washers etc., and painted with two coats of red oxide and then two coats of approved paint a) 40x40x6 mm | P/mtr | 1 | 2 | | | 2.00 | 210.00 | 420.00 |
| 53 | Fixing all type and all capacities fluorescent / false ceiling/spot light/CFL indoor on the walls / ceilin g / rates/girders uising 23/0.0076" twins twisted PVC insulted wires, required nos of round blcoks and clamps (if requied) a) On wall/ceiling | Each | 3 | | | | 3.00 | 85.00 | 255.00 |
| | | C) Total cost of Electrification works | | | | | | | 16136.00 |
| | | | | Total [A + B + C] | | | | | 999882.11 |
| 54 | Miscellaneous charges | | | | | | | | 117.90 |
| | | | | | | | | Total | 1000000.0 |
| (Rupees Ten Lakhs Only) | | | | | | | | | |

**CERTIFICATE**

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

**Asst Engineer**
Ward No-13

**Asst Executive Engineer**
Shettyhalli Sub-Division
BBMP

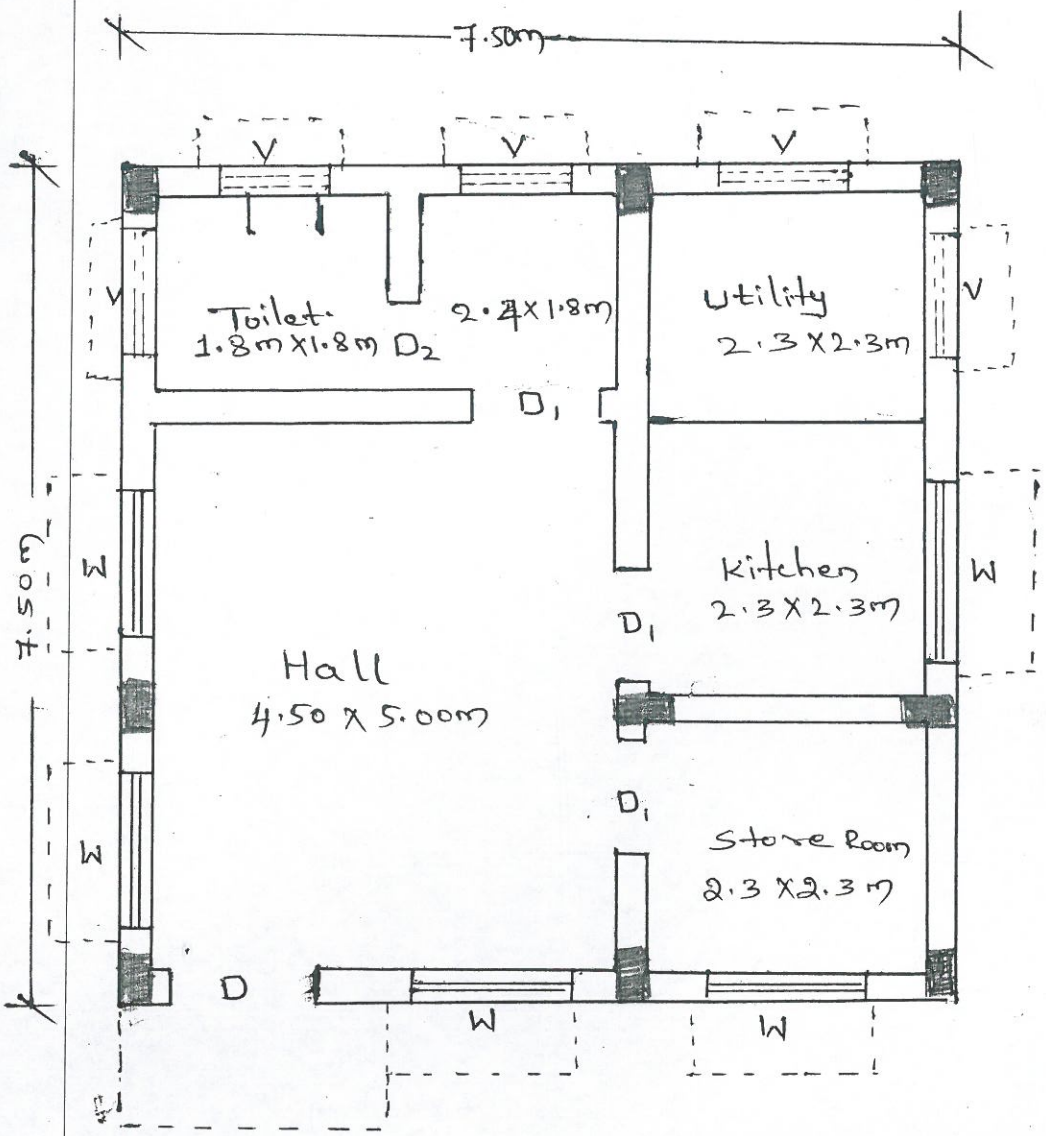
**Executive Engineer**
Dasarahalli Zone
BBMP

ನಂ. EE/DD/AS/40/16-17 ದಿನಾಂಕ : 30.12.16
ರೂ. Ten lakhs only
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. EE/DD/TS/57/16-17 ದಿನಾಂಕ : 30.12.16
ರೂ. Ten lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

(2)

Name of Work :- Construction of Anganwadi Building in Kalla-Sandra ward No - 13



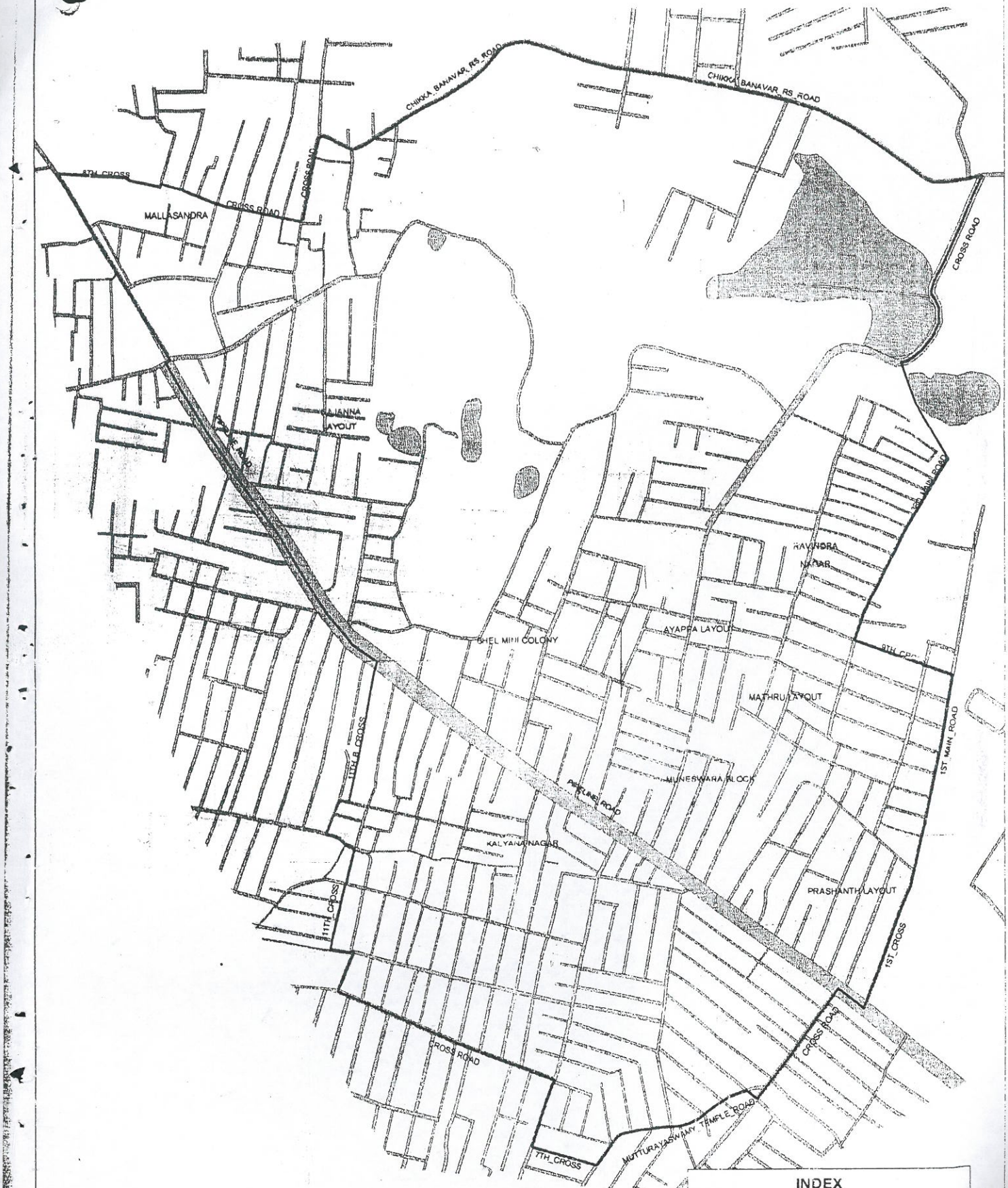

PLAN

D - 1.2 X 2.1m
D1 - 0.9 X 2.1m
D2 - 0.75 X 2.1m
W - 1.20 X 1.20m
V - 0.90 X 0.60m

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

155 - DASARAHALLI AC

# BRUHAT BANGALORE MAHANAGARA PALIKE
## WARD : 13 - MALLASANDRA




NOTIFICATION NO. UDD 59 MLR 2009. DATE. 15.07.2009

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು